

**To:** CN=Palmer Hough/OU=DC/O=USEPA/C=US@EPA[]  
**Cc:** CN=Phil North/OU=R10/O=USEPA/C=US@EPA;CN=Tami Fordham/OU=R10/O=USEPA/C=US@EPA;CN=Jeff Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Judy Smith/OU=R10/O=USEPA/C=US@EPA;CN=Richard Parkin/OU=R10/O=USEPA/C=US@EPA[]; N=Tami Fordham/OU=R10/O=USEPA/C=US@EPA;CN=Jeff Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Judy Smith/OU=R10/O=USEPA/C=US@EPA;CN=Richard Parkin/OU=R10/O=USEPA/C=US@EPA[]; N=Jeff Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Judy Smith/OU=R10/O=USEPA/C=US@EPA;CN=Richard Parkin/OU=R10/O=USEPA/C=US@EPA[]; N=Judy Smith/OU=R10/O=USEPA/C=US@EPA;CN=Richard Parkin/OU=R10/O=USEPA/C=US@EPA[]; N=Richard Parkin/OU=R10/O=USEPA/C=US@EPA[]  
**From:** CN=Sheila Eckman/OU=R10/O=USEPA/C=US  
**Sent:** Tue 4/24/2012 5:50:10 PM  
**Subject:** Re: BB - paragraph on population

Palmer - You will be sorry you asked.....Tami, Kate, and I had some back and forth on this issue when we drafted the paragraph. Like all things, it depends on what you are looking at. This is my current understanding.....Tami and Phil - please weigh in if this is not correct. We do need a "numbers" briefing paper!

I'm not sure where the 31 comes from. According to the attached map, there are 30 villages within the Bristol Bay watershed, including 5 on the southeastern side of the Alaska Peninsula. There are 25 villages that are in the watershed as defined by draining into Bristol Bay. The economics report focuses on those 25 because it is looking at the fishery. 13 of these are within the Nushagak and Kvichak drainages. The cultural report evaluates 12 villages - it includes Pedro Bay and Port Alsworth, which are close to the Pebble claim and transportation corridor, but not technically in the two watersheds. It does not include Clarks Point, Ekuk, Manokotak and Aliknagik, which are in the two watersheds but on tributaries and not downriver from the Pebble claim.

15 tribal governments were invited to participate in the TEK study. Note that this includes Aleknagik, Ekuk, Clark's point, Portage Creek (seasonal), which are not included in the cultural report population analysis, and does not include Port Alsworth, which is in the cultural report but does not have a tribal government (right Tami?).

Koliganek Village Council  
New Stuyahok Traditional Council  
Ekwok Village Council  
Native Village of Aleknagik  
Curyung Tribal Council  
Ekuk Village Council  
Clark's Point Village Council  
Portage Creek Village Council  
Nondalton Tribal Council  
Iliamna Village Council  
Newhalen Tribal Council  
Pedro Bay Village Council  
Kokhanok Village Council  
Igiugig Village Council  
Levelock Village Council

[http://www.bbnc.net/images/stories/regional\\_map.jpg](http://www.bbnc.net/images/stories/regional_map.jpg)

---

Sheila M Eckman  
Bristol Bay Watershed Assessment Project Manager  
EPA Region 10 Office of Ecosystems, Tribal and Public Affairs  
(206)553-0455

From: Palmer Hough/DC/USEPA/US  
To: Sheila Eckman/R10/USEPA/US@EPA  
Cc: Phil North/R10/USEPA/US@EPA, Tami Fordham/R10/USEPA/US@EPA, Jeff Frithsen/DC/USEPA/US@EPA  
Date: 04/24/2012 10:12 AM  
Subject: Re: BB - paragraph on population

Sheila:

Thanks for sharing this write up. I was not too far off with my pop estimate for the Kvi and Nush watersheds that I said yesterday. Your write up says 4,118 and I think I said around 3,000.

One question, we have stated a number of times that there are 31 Federally recognized tribal governments in the BB Region. This write up says 25 "villages and communities". What is the distinction and how are there 31 govt and only 25 villages?

Thanks, Palmer

---

Palmer Hough, Environmental Scientist  
tel: 202.566.1374 | fax: 202.566.1375

Wetlands Division  
U.S. EPA Headquarters (MC 4502T)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
[www.epa.gov/wetlands](http://www.epa.gov/wetlands)

From: Sheila Eckman/R10/USEPA/US  
To: Palmer Hough/DC/USEPA/US@EPA, Phil North/R10/USEPA/US@EPA  
Date: 04/24/2012 11:51 AM  
Subject: BB - paragraph on population

Palmer - Per our conversation, here is the pp I did for Kate on the population....  
[attachment "20120416gen\_pop\_paragraph.docx" deleted by Palmer Hough/DC/USEPA/US]

---

Sheila M Eckman  
Bristol Bay Watershed Assessment Project Manager  
EPA Region 10 Office of Ecosystems, Tribal and Public Affairs  
(206)553-0455